

OIL ANALYSIS REPORT



MASCARO VOLVO PENTA IPS 20-D 3950003688 - PORT IPS

Sample No: VPA059670
Oil Type: GEAR OIL SAE 75W90

SAMPLE INFORMATION

Sample Number	VPA059670	VPA031053	VPA032908	VPA027538
Sample Date	16 Apr 2024	23 Jun 2023	02 Dec 2020	04 Jun 2020
Machine Hours	473	0	308	281
Oil Hours	0	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

SUNCOAST DIESEL MARINE
 6341 PORTER ROAD, SUITE 6
 SARASOTA, FL
 US 34240
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OIL CONDITION

Visc @ 40°C	cSt	106	108	103	101
Visc @ 100°C	cSt	14.85	---	---	---
Viscosity Index (VI)	Scale	145	---	---	---

CONTAMINATION

Water	%	NEG	0.134	NEG	NEG
Silicon	ppm	6	7	<1	6
Sodium	ppm	<1	2	3	3
Potassium	ppm	0	6	3	3

WEAR METALS

PQ		25	19	25	38
Iron	ppm	15	20	42	33
Copper	ppm	4	4	9	6
Lead	ppm	0	0	<1	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	2	2
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	2	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	2	4	4	4
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	16	28	16	20
Magnesium	ppm	14	40	280	252
Zinc	ppm	4	31	<1	5
Phosphorus	ppm	1141	1439	1487	1335
Barium	ppm	<1	1	0	0
Boron	ppm	219	367	421	346

Diagnosis

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates for component type. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: VP705283
Unique No: 10982589
Signed: Doug Bogart
Report Date: 18 Apr 2024

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**VOLVO
PENTA**

GRAPHS

